

ID	Watershed	Proponent	Contact	Contact e-mail	Phone	Extension	Project Name	Project Timeframe	Estimated Cost	Project Description
5	Santa Monica Bay	Heal the Bay	Kirsten James, Water Quality Director	kjames@healthebay.org	(310) 451-1500	162	Beach Water Quality BMP Efficacy Study	1 year	\$45,000	Heal the Bay will conduct a study to assess the efficacy of beach water quality best management practices (BMPs) in the Los Angeles Region. Staff will analyze BMP performance data and beach water quality data for both pre and post-construction periods, using our extensive Beach Report Card database, and other available BMP performance data. Using these results, the study will evaluate which BMPs are the most effective at bacteria reduction and meeting total maximum daily load (TMDL) waste load allocations. BMPs to be analyzed include diversion of dry weather runoff to sewage treatment plants, urban runoff treatment facilities, infiltration projects, pier improvements including bird excluder devices and infrastructure enhancements and water circulation improvements at enclosed beaches. The analysis will include BMP efficacy during the AB411 time period, winter dry weather and wet weather. A final report will be developed at the end of the one-year study period.

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17	Santa Monica Bay	Santa Monica Baykeeper	Liz Crosson, Executive Director	liz@smbaykeeper.org	(310) 394-6162	100	Ballona Creek Watershed Water Quality Monitoring	1 year	\$50,000	Santa Monica Baykeeper’s Water Quality Monitoring Program is focused in part on identifying and addressing sources of pollution that impact Ballona Creek, and ultimately the Santa Monica Bay and the millions of people who frequent Los Angeles County beaches each year. Over its 15-year history, the water quality monitoring program has taken a holistic approach, conducting coastal and riparian restoration and cleanup projects that improve the overall environmental and public health conditions of the coastal ecosystems. The project will continue to utilize community volunteers and school programs to assess water quality in Ballona Creek and tributaries. Through monthly monitoring and testing the project will identify potential pollution sources and address them in a systematic way. The water quality monitoring program is comparable to EPA’s Surface Water Ambient Monitoring Plan with a Quality Assurance Project Plan that insures high quality data is collected by trained volunteers and used to educate and inform the public as well as supplement local and state water agencies. Success of the project will be measured by volunteer recruitment, completeness and quality of data, and raised awareness of water conditions and pollution sources. This project has a one year time line and a total cost of \$107,000 of which \$57,000 has been secured; funding requested is \$50,000.

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18	Santa Monica Bay	Los Angeles Conservation Corps	Bo Savage	bsavage@lacorps.org	(213) 362-9000	238	Coastal Habitat Restoration	2 years	\$255,000	<p>The proposed project restores three acres of coastal dune habitat along Santa Monica Bay. The goal is to replace invasive ice plant with plants grown from local seed source cultivated at the LA Conservation Corps’ SEA Lab native plant nursery. This project will benefit water resources in two ways: by reducing water runoff along the bluffs it will lessen the amount of debris and pollutants entering the ocean, soil health will be restored to historic conditions, and the need for continual irrigation will be lessened. This project has a regional application in that it supports a network of native habitat pockets/islands. SEA Lab has restored 11 acres of coastal habitat and its nursery supplies vegetation for multiple community projects. Support letters are available from LA County Beaches and Harbors, Palos Verdes Peninsula Land Conservancy, West Basin Municipal Water District, and Urban Wildlands. The project fulfills portions of the Beach Bluffs Restoration Project Master Plan (http://www.urbanwildlands.org/bbrp.html), which has received support from individuals, organizations, and government agencies. For over 25 years, the Corps has maintained a solid reputation in LA County for successfully completing contracted work projects; we will collaborate with the Santa Monica Bay Restoration Commission to monitor the success of our project. Over two years, 9,000 native plants will be installed, three acres of invasive vegetation will be removed to restore the habitat, and 500 hours of student and community training will take place at a cost of \$255,000.</p>

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30	Santa Monica Bay	Santa Monica Bay Restoratio Foundation	Jack Topel	vippolito@waterboards.ca.gov	(213) 576-6647		Oyster Stock Enhancement in a Santa Monica Bay harbor to reduce total maximum daily loads	3 years	\$23,000	Southern California harbors are severely impacted by urban runoff, boating related discharges, and other sources of pollution. Oysters act as a natural filter removing suspended solids, excess nutrients, chlorophyll a, and other pollutants from the water column. SMBRF proposes to implement an oyster stock enhancement project of the only native oyster to Southern California within Santa Monica Bay for the purpose of improving water quality, reducing pollutants, and restoring a healthy ecosystem. This is a three year project that will: 1) Survey and assess Marina del Rey Harbor and King Harbor (Redondo Beach) to catalog the existing oyster populations and recruitment capabilities and gather data via site visits on potential areas to create an oyster bed; 2) Conduct an oyster gardening project with the help of community volunteers; and 3) Create and oyster reed in an intertidal area. The estimated cost of this project including staff time and materials is \$23,000. An additional component of this project will be to educate voluteers on the importance of a clean harbor and diverse ecosystem.

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31	Santa Monica Bay	County of Los Angeles Dept. of Public Works	Bruce Hamamoto	Bhamamo@dpw.lacounty.gov	(626) 458-5918		Low-Flow Diversion System-wide Improvement Project	2 years	\$2.5 million	This project aims to improve the operational efficiency of the 23 low-flow diversions (LFDs) that the Los Angeles County Flood Control District operates in the Santa Monica Bay, Marina del Rey, and Long Beach Harbor watersheds. This project will include enhanced remote monitoring capabilities, reliability enhancements, standardizations that will streamline maintenance and repair, and development of a database to process the received data, ultimately to help improve the quality of water that drains to the Los Angeles County Beaches. The project will be implemented through two phases – Phase 1: Design, scheduled to begin in 2012 for an estimated cost of \$500,000 and Phase 2: Implementation, scheduled for 2013-2014 at an estimated cost of \$2,000,000.

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32	Santa Monica Bay	County of Los Angeles Dept. of Public Works	Bruce Hamamoto	Bhamamo@dpw.lacounty.gov	(626) 458-5918		Oxford Retention Basin Multi-Use Enhancement Project	3 years	\$13 million	This project incorporates many improvements to the Oxford Retention Basin and surrounding area. The project will include mitigating potentially toxic sediments in the basin, adding wetland vegetation and functionality for better water quality, and increasing recreational open space and wildlife habitat. The project will also incorporate Low Impact Development type features. Design is scheduled to be completed by 2012-2013 followed by construction in 2013 2015. The total project cost is currently estimated at \$13 million.

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37	Santa Monica Bay	Santa Monica Bay Restoration Foundation	Guangyu Wang	gwang@waterboards.ca.gov	(213) 576-6639		Santa Monica Bay Habitat Condition Monitoring and Assessment	Varies	Varies by project	<p>The proposed project aims to fill critical data gaps identified in the Santa Monica Bay Comprehensive Monitoring Program (CMP). The CMP implement coordinate monitoring to provide a regional assessment Santa Monica Bay ecosystem health. Information collected from these monitoring activities is much needed to assess the causes of environmental degradation as well as the environmental results of water quality improvement and habitat restoration programs. Specifically this project will focus on several areas that have been neglected due to the deficiencies in the current management system and/or the lack of funding resources. These areas and the associated monitoring and special study needs include the following:</p> <ul style="list-style-type: none">-Diving survey of invertebrates, fish, and algae in nearshore rocky reef habitat using standard CRANE protocol (\$50,000 - \$100,000)-Rocky intertidal survey of existing and additional stations for a suite of indicator species and physical conditions using MARINe protocol (\$50,000 - \$100,000)-Regional sandy beach plant survey for species relative abundance, and location (\$20,000)-Surf-zone fish survey including species identification and relative abundance (\$25,000)-Annual grunion survey for location, frequency, relative intensity of grunion runs (\$38,000)-Shore bird surveys of abundance and nesting (\$25,000 - \$80,000)-Fish larvae transects for measuring changes in relative abundance and frequency of occurrence of key species (\$95,000)-Inshore and offshore bottlenose dolphin and seabird surveys (\$250,000)-Special study for investigating inshore halibut nursery grounds (\$50,000)